

## TRIMERIZATION CATALYST OF ETHYLENE AND METHOD FOR TRIMERIZATION OF ETHYLENE USING THE SAME

**Patent number:** JP2001009290  
**Publication date:** 2001-01-16  
**Inventor:** OGURI MOTOHIRO; YAMAMOTO TOSHIHIDE;  
MIMURA HIDEYUKI; OKADA HISANORI; YOSHIDA  
OSAMU  
**Applicant:** TOSOH CORP  
**Classification:**  
- **international:** B01J31/22; C07C2/32; C07C11/107  
- **european:**  
**Application number:** JP19990178553 19990624  
**Priority number(s):**

### Abstract of JP2001009290

**PROBLEM TO BE SOLVED:** To efficiently and highly selectively produce 1-hexene from ethylene.  
**SOLUTION:** The trimerization catalyst of ethylene consists of an alkyl metal compound and a chromium complex expressed by the general formula of  $ACrB_n$  in which a neutral multidentate ligand having a tripod structure is coordinated. In the formula, (n) is an integer 1 to 3, A is a neutral multidentate ligand having a tripod structure, B is one or more kinds selected from hydrogen atom, halogen atoms and straight-chain or branched alkyl groups.

---

Data supplied from the **esp@cenet** database - Patent Abstracts of Japan